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GLOSSARY OF TERMS RELATING TO SAFETY ASPECTS CONCERNING OPERATING AREAS OF INDUSTRIAL TRUCKS

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GLOSSARY OF TERMS RELATING TO SAFETY ASPECTS CONCERNING OPERATING AREAS OF INDUSTRIAL TRUCKS

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GLOSSARY OF TERMS RELATING TO SAFETY ASPECTS CONCERNING OPERATING AREAS OF INDUSTRIAL TRUCKS

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 25 November 1975, after the draft finalized by the Industrial Trucks Sectional Committee had been approved by the Marine, Cargo Movement and Packaging Division Council.

0.2 The industrial trucks are being exclusively used in the field of materials handling. This standard has been prepared to define various terms concerning operating areas keeping in view the safety aspects.

0.3 To achieve international coordination on the subject this standard has been based on Doc: ISO/TC 110 (SC 1-2) 333 Safety aspects concerning operating areas, issued by the International Organization for Standardization.

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1. SCOPE

1.1 This standard defines the terms ralating to safety aspects concerning operating areas of industrial trucks.

2. TERMINOLOGY

2.0 For the purpose of this standard, the following terms and definitions shall apply.

2.1 Working Areas — Areas where the truck performs loading, unloading, stacking, unstacking, tiering (in racks), untiering and associated operations.

2.1.1 *Handling at Ground Level* — All loading and unloading operations which do not need a lift height higher than the lift just necessary to allow travelling.

2.1.2 *Handling Above Ground Level* — All loading, unloading, stacking, unstacking, tiering and untiering operations involving a vertical displacement higher than the lift just sufficient for travelling.

2.2 Travel Paths — Areas reserved specifically for travelling between working areas defined by visual or physical limits.

2.2.1 *Tracks* — Travel paths situated outside buildings.

2.2.2 *Aisles* — Travel paths situated inside buildings.

2.2.3 *Ramps*

2.2.3.1 *Non-powered* — Inclined travel paths giving access to a higher or lower level which do not incorporate any mechanical means for assisting the ascent or descent of a truck.

2.2.3.2 *Powered* — Inclined travel paths giving access to a higher or lower level which incorporate any mechanical means for assisting the ascent or descent of a truck.

2.2.4 *Dimensions*

2.2.4.1 *Free width* — The width measured at the narrowest place of the path.

2.2.4.2 *Free height* — The clear height measured at the lowest obstacle above the path.

2.2.5 *Limits of Travel Path* — Visual and physical indications of the confines of the travel path.

2.2.5.1 *Marking and signals*

a) *Marking* — Visual indications of the lateral limits of travel paths or vertical limit of obstacles, by distinctive colours or materials.

b) *Signals* — Visual or audible warning of the existence of an obstacle or hazard on the travel path.

2.2.5.2 *Barriers* — Physical impediments to the passage of trucks or personnel.

a) *Permanent* — Barriers which are structurally secured in position.

1) *Fixed* — Permanent barriers which do not incorporate any means of passage.

2) *Opening* — Permanent barriers which incorporate any means of passage such as a gate or elevating section.

b) *Portable* — Temporary free standing barriers.

2.2.6 *Doors*

2.2.6.1 *Power operated* — Doors operated by means of electrical, hydraulic or pneumatic power.

a) *Manual control* — Power operated doors responding to manual operation of a control.

b) *Automatic control* — Power operated doors responding to the proximity of a truck.

2.2.6.2 *Flexible* — Doors constructed of a material allowing of opening or deformation by a traversing truck.

a) *Hinged* — Flexible doors suspended on hinges.

b) *Suspended strip* — Flexible doors constructed of strips of material suspended from the upper beam.

2.2.7 *Bridge Plates and Dockboards* — Rigid moveable bearing plates ensuring continuity of a travel path between two operating areas (for example, between a platform and vehicle) or allowing passage over an obstacle.

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7496-1974 Direction of travel controls for industrial tractors and powered industrial trucks

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